

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An apparatus for restoring an aortic valve which is used for the correction of aortic valvular regurgitation caused by an increase in the diameter of an aortic annulus and/or a sinotubular junction; ~~wherein the apparatus for restoring the aortic valve consists of comprising:~~

a) ~~an the~~ aortic annulus repairing apparatus ~~in of a~~ band or ring type that uniformly stabilizes ~~uniformly~~ the diameter of the aortic annulus, the aortic annulus repairing apparatus comprising:

an inner stabilizer, which stabilizes the diameter of the aortic annulus from inside the aortic lumen, and

an outer felt stabilizer, which supports the diameter of the aortic annulus from outside of the aortic lumen; and

b) ~~a the~~ sinotubular junction repairing apparatus ~~in of a~~ ring type that uniformly stabilizes ~~uniformly~~ the diameter of the sinotubular junction, the sinotubular junction repairing apparatus comprising:

an inner stabilizer of a ring type that stabilizes the diameter of the sinotubular junction from inside a sinotubular junction; and,

an outer felt stabilizer of the ring type that supports the diameter of the sinotubular junction from outside of the sinotubular junction.

2. (Cancelled)

3. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 2 1, wherein the inner stabilizer and the outer felt stabilizer are individually a band type or a ring type.

4. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 2 1, wherein ~~the~~ a sewing passage of the inner stabilizer is formed thinner than ~~the~~ a surrounding area in order to ~~stick~~ adhere the inner stabilizer tightly ~~well on the~~ to a wall of the aortic lumen.

5. (Currently amended) The apparatus for restoring an aortic valve[[s]] as set forth in claim 2 1, wherein both the inner stabilizer and the outer felt stabilizer of the ring type have three equally spaced markers on their ~~in the~~ circumference, which enables ~~to determine~~ determination of the directions of the stabilizers.

6. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 2 1, wherein the ~~band type of~~ inner stabilizer and outer felt stabilizer of the band type, respectively, have ~~has a~~ vertical marks on both ends ~~thereof~~ in order to fix only ~~the~~ a fibrous part of the aortic annulus, and have an extra margin of ~~has~~ about 2mm ~~extra margin~~ outside of the vertical line which enables the stabilization to be more easily accomplished.

7. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 2 1, wherein the inner stabilizer and the outer felt stabilizer are made of ~~any~~ a synthetic fiber or a biological material that is harmless to humans.

8. (Cancelled)

9. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 8 1, wherein the inner stabilizer (~~22~~) and the outer felt stabilizer (~~24~~) are formed in as a ring type.

10. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 8 1, wherein ~~the~~ a suture passage of the ~~above~~ inner stabilizer is formed to be thinner than ~~the~~ a surrounding part in order to ~~stick~~ adhere the stabilizer tightly ~~well on the~~ to a surrounding wall in the sinotubular junction.

11. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 8 1, wherein the inner stabilizer and the outer felt stabilizer of the ring type have three equally spaced markers on their ~~in the~~ circumference, which enables ~~to determine~~ determination ~~of the directions of the stabilizers.~~

12. (Currently amended) The apparatus for restoring an aortic valve as set forth in claim 8 1, wherein the inner stabilizer and the outer felt stabilizer are made of ~~any~~ a synthetic fiber or a biological material that is harmless to humans.

13. (Currently amended) A treatment method for ~~the~~ aortic valvular regurgitation using the aortic valve restoring apparatus as set forth in claim 1, comprising:
implanting wherein an aortic annulus inner stabilizer in of the band type or ring type is ~~implanted to~~ inside of the an aortic lumen,
placing an the annulus outer felt stabilizer ~~is located to on~~ the outside of the aortic lumen to support the ~~above~~ aortic annulus inner stabilizer, and thus normalizing maintaining the diameter of the aortic annulus at a constant diameter; and, which is an effective treatment for the aortic valvular regurgitation
implanting a STJ ring type inner stabilizer on the inside of the sinotubular junction, and

placing a STJ outer felt stabilizer on the outside of the sinotubular junction to support the STJ inner stabilizer, thus maintaining the sinotubular junction at a constant diameter.

14. (Cancelled)

15. (New) The apparatus for restoring an aortic valve as set forth in claim 3, wherein the inner stabilizer and the outer felt stabilizer of the ring type have three equally spaced markers on their circumference, which enables determination of the directions of the stabilizers.

16. (New) The apparatus for restoring an aortic valve as set forth in claim 3, wherein the inner stabilizer and outer felt stabilizer of the band type, respectively, have vertical marks on both ends thereof in order to fix only a fibrous part of the aortic annulus, and have an extra margin of about 2mm outside of the vertical line which enables the stabilization to be more easily accomplished.

17. (New) The apparatus for restoring an aortic valve as set forth in claim 3, wherein the inner stabilizer and the outer felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

18. (New) The apparatus for restoring an aortic valve as set forth in claim 4, wherein the inner stabilizer and the outer felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

19. (New) The apparatus for restoring an aortic valve as set forth in claim 9, wherein the inner stabilizer and the outer felt stabilizer of the ring type have three equally spaced markers on their circumference, which enables determination of directions of the stabilizers.

Appl. No. 10/508,746
Amdt. dated November 7, 2007
Reply to Office Action mailed May 7, 2007

20. (New) The apparatus for restoring an aortic valve as set forth in claim 9, wherein the inner stabilizer and the outer felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.

21. (New) The apparatus for restoring an aortic valve as set forth in claim 10, wherein the inner stabilizer and the outer felt stabilizer are made of a synthetic fiber or a biological material that is harmless to humans.